



Maths

Maths Standard Test 3

Fill in the following particulars:

Name.....

Boy or girl.....

Date of Birth

School

Class.....

Today's date.....

Read the following carefully:

- Do not open this booklet or begin the test until you are told to do so.
- Mark your answers on the answer sheet provided.
- Work as carefully and quickly as you can.
- If you can not do a question, go on to the next one.
- If you make a mistake rub out the mistake and write the new answer.
- You will have 50 minutes to complete the test

Q1

How would you write the following number in figures?
Mark your answer on the answer sheet.

four thousand three hundred and five

Q2

$468 + 529 = ?$
Mark your answer on the answer sheet.

Q3

Which one of the following is a cube?
Mark your answer on the answer sheet.

an orange

a ruler

a pyramid

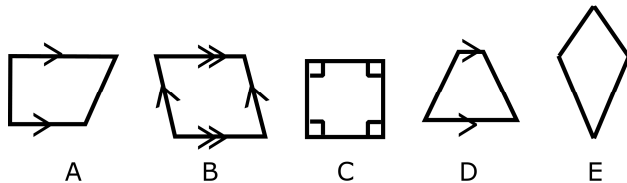
a dice

a book

Q4

Calculate $6728 \div 10$
Mark your answer on the answer sheet.

Q5



Which of these shapes are Trapeziums?
Mark your answer on the answer sheet.

Q6

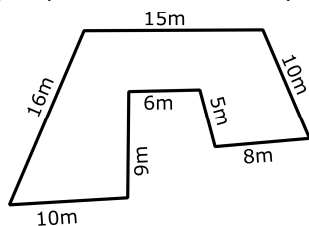
Round 73 to the nearest 10.
Mark your answer on the answer sheet.

Q7

Yesterday, the temperature was 2° Celsius. Today, it is 5 degrees colder.
What is the temperature today?
Mark your answer on the answer sheet.

Q8

The diagram represents the shape of your garden. You want to get a dog, but you can only do this if you put a fence around your garden, so that the dog cannot run away.



How many metres of fencing must you buy so that you have enough to enclose your garden without any fencing left over?
Mark your answer on the answer sheet.

Q9	<p>You are a zookeeper in charge of feeding the polar bears. There are 8 polar bears and they each eat 5 fish per day.</p> <p>How many fish do you need to buy to feed the polar bears for one week?</p> <p>Mark your answer on the answer sheet.</p> <div data-bbox="1161 168 1321 336"> </div>
Q10	<p>$2.56 + 7.31 = ?$</p> <p>Mark your answer on the answer sheet.</p>
Q11	<p>Sam wants to buy his mum some flowers for Mother's Day. Roses are her favourite flowers and they cost 25p per Rose. Sam has £3.00 to spend.</p> <p>How many Roses can he buy?</p> <p>Mark your answer on the answer sheet.</p>
Q12	<p>Find the value of y if $5y - 3 = 12$</p> <p>Mark your answer on the answer sheet.</p>
Q13	<p>It was Mary's birthday last week and she took cupcakes into school to give to her class. There are 20 children in her class, but it turned out that her mum had miscalculated and there were not enough cupcakes for everyone. She only had enough for three quarters of the class.</p> <p>How many more cupcakes should her mum have bought?</p> <p>Mark your answer on the answer sheet.</p>
Q14	<p>Which one of the following numbers is not a square number?</p> <p>Mark your answer on the answer sheet.</p> <hr/> <div data-bbox="322 1478 1353 1512"> 64 25 36 18 9 </div>
Q15	<p>Which is the smallest number?</p> <p>Mark your answer on the answer sheet.</p> <hr/> <div data-bbox="322 1691 1364 1724"> 0.9 0.1 1.0 99 0.05 </div>
Q16	<p>The diagram represents your dining room and kitchen. Your dad wants to put wooden floors down in both rooms. He has asked you to work out the area of the rooms for him so that he knows how much wood to buy.</p> <p>What is the area of these two rooms combined?</p> <p>Mark your answer on the answer sheet.</p> <div data-bbox="837 1836 1197 2027"> </div>

Q17

Which is the largest measurement?
Mark your answer on the answer sheet.

3cm

30mm

0.33m

1km

325m

Q18

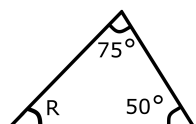
What is the name of a shape with eight sides?
Mark your answer on the answer sheet.

Q19

How many lines of reflective symmetry does this shape have?
Mark your answer on the answer sheet.



Q20



What is the value of angle R?
Mark your answer on the answer sheet.

Q21

You want to buy a tennis racket. The one you want usually costs £120, but it is on sale and has been reduced by 20%.

How much will you have to pay for it?
Mark your answer on the answer sheet.

Q22

If you put the following in order from smallest to largest, which number is the largest?
(10% , 0.5 , $\frac{1}{4}$, 30% , 2.1)
Mark your answer on the answer sheet.

Q23

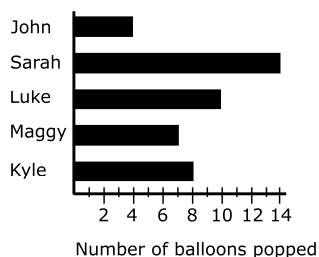
Complete the sequence.
Mark your answer on the answer sheet.

15, 10, 25, 20, 35, 30, ?

Q24

John, Sarah, Luke, Maggy and Kyle had a competition to see who could pop the most balloons at Maggy's birthday party.

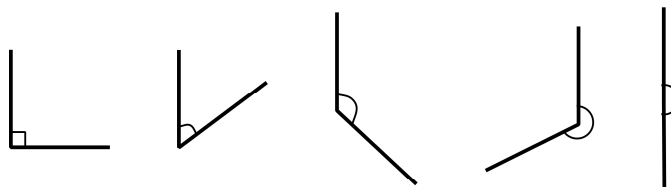
How many balloons did Maggy pop?
Mark your answer on the answer sheet.



Number of balloons popped

Q25

Which of these angles is an acute angle?



A B C D E

Mark your answer on the answer sheet.

Q26

Which of the following fractions is NOT equal to 25% ?

Mark your answer on the answer sheet.

$$\frac{1}{4}$$

$$\frac{5}{20}$$

$$\frac{4}{8}$$

$$\frac{4}{16}$$

$$\frac{15}{60}$$

Q27

In a packet of mixed nuts, there are 20 peanuts, 10 brazils, 15 hazelnuts and 5 pecan nuts.

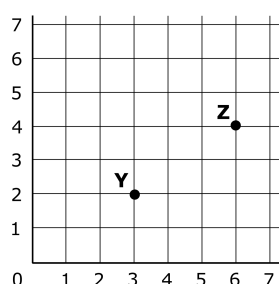
If you pick a nut, without looking, what is the probability of it being a hazelnut?

Mark your answer on the answer sheet.

Q28

What are the coordinates of Y and Z?

Mark your answer on the answer sheet.



Q29

One pumpkin costs £2, but if you buy two it costs £3.50 for the two. Jacob decided to buy 6 pumpkins.

How much would he have to pay for the 6 pumpkins?

Mark your answer on the answer sheet.

Q30

Julie slept for 9 hours last night. She woke up at 6:30 this morning.

Giving your answer in 24 hour digital time, what time did she get to sleep last night?

Mark your answer on the answer sheet.

Q31

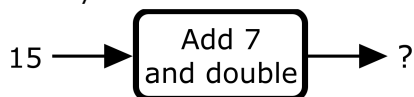
Jake and Adam are playing a board game using one dice. They are both near the finish line and if Adam throws a 5 on his next go, he will win. He has to throw the exact number otherwise he cannot move and will have to wait for his next go to try again.

What is the probability that Adam will NOT throw a five?

Mark your answer on the answer sheet.

Q32

If you put 15 into this function machine, what number will you get out?
Mark your answer on the answer sheet.



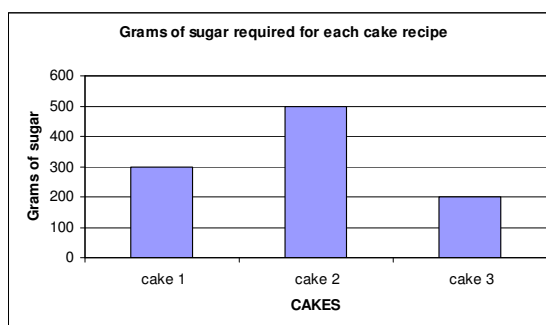
Q33

What is $\frac{4}{5}$ of 20?
Mark your answer on the answer sheet.

Q34

Catherine wants to bake 3 cakes. The measurements of sugar needed are given in the table to the right.

How much sugar does she need to buy to make sure that she has enough for all 3 cakes?
Mark your answer on the answer sheet.



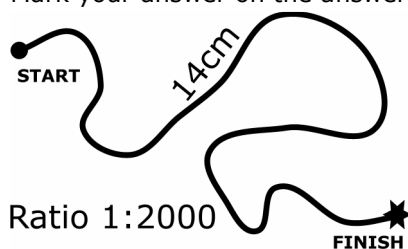
Q35

$336 \div 8 = ?$
Mark your answer on the answer sheet.

Q36

The following illustration shows a race course that has been drawn using a scale of 1:2000. The illustration shows the whole course is 14cm.

How many metres is the race?
Mark your answer on the answer sheet.



Q37

On the 1st May the temperature was 10° Celsius in both Paris and London. During the rest of the month, the temperature in Paris increased by j degrees and in London by k degrees. By the end of May, the temperature in Paris was the warmer of the two.

Which of the following formulas show how many degrees warmer it was in Paris than London at the end of May?

Mark your answer on the answer sheet.

$j - k$ $j + k$ $10 + j$ $10 + k$ $k - 10$

Q38

Which sign should replace the question mark for this to make sense?
Mark your answer on the answer sheet.



Q39

This tally shows the results of a survey where every student was asked to choose their favourite TV show from the five provided.

SHOWS	TALLY
Friends	
MTV	
Fresh Prince	
The Simpsons	
Dawson's Creek	

Which is the second most popular show?
Mark your answer on the answer sheet.

Q40

Luke runs seven races on sports day. He gets 10 points for coming 1st, 8 for 2nd place, 6 for 3rd, 4 for 4th and 2 for 5th. The table shows his points for each race.

What is the mean of Luke's points?

Mark your answer on the answer sheet.

RACE	POINTS
1	8
2	10
3	8
4	4
5	10

Q41

Which one of the following is the same ratio as 45:30?

Mark your answer on the answer sheet.

5:6	7:5	3:2	9:3	8:1
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Q42

Mike buys 3 packets of crisps every school day. One packet costs 39p. He also spends 45p per week on a chocolate which he is only allowed to buy on Fridays.

How much does he spend in total in one week?

Mark your answer on the answer sheet.

Q43

There are forty clowns in a very large circus. $\frac{1}{5}$ wear red, $\frac{3}{5}$ wear green and the rest wear yellow.

How many clowns wear yellow?

Mark your answer on the answer sheet.

Q44

Michael is 7 years younger than his sister, Kelly. Kelly is half as old as her dad was 5 years ago. Their dad is 45 this year.

How old is Michael?

Mark your answer on the answer sheet.

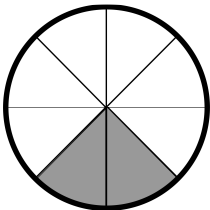
Q45

What is the mode of the following numbers?

Mark your answer on the answer sheet.

12, 15, 13, 12, 17, 12, 15, 15, 12

Q46



What fraction of this circle is shaded?

Mark your answer on the answer sheet.

Q47

A regular shape has a perimeter of 20cm and all angles are equal. Each side is 4cm long.

What is the name of this shape?

Mark your answer on the answer sheet.

Q48

45	15	5
5	?	15
15	5	45

→ 65

→ 65

→ 65

↓

↓

↓

65

65

65

What is the missing number?

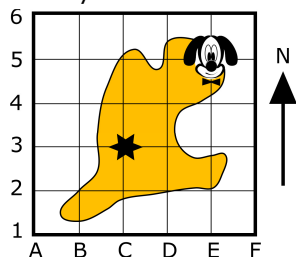
Mark your answer on the answer sheet.

Q49

Rosco needs to get to the treasure (marked by a star). This is a map of his position in relation to the treasure.

What are the two map references for Rosco and the treasure?

Mark your answer on the answer sheet.



Q50

Lucy left home at 6:30 and got to school at 7:30. Cathy takes half as long as Lucy to get to school. She also arrived at 7:30.

What time did Cathy leave home?

Mark your answer on the answer sheet.

Answer Sheet

Maths Standard Test 3

- | | |
|-----|-----|
| 1. | 26. |
| 2. | 27. |
| 3. | 28. |
| 4. | 29. |
| 5. | 30. |
| 6. | 31. |
| 7. | 32. |
| 8. | 33. |
| 9. | 34. |
| 10. | 35. |
| 11. | 36. |
| 12. | 37. |
| 13. | 38. |
| 14. | 39. |
| 15. | 40. |
| 16. | 41. |
| 17. | 42. |
| 18. | 43. |
| 19. | 44. |
| 20. | 45. |
| 21. | 46. |
| 22. | 47. |
| 23. | 48. |
| 24. | 49. |
| 25. | 50. |

Answers

Maths Standard Test 3

Q1)	4305	Q26)	4/8
Q2)	997	Q27)	15/50
Q3)	a dice	Q28)	Y(3,2) Z(6,4)
Q4)	672.8	Q29)	£10.50
Q5)	A, D	Q30)	21:30
Q6)	70	Q31)	5/6
Q7)	-3°	Q32)	44
Q8)	79m	Q33)	16
Q9)	280	Q34)	1kg
Q10)	9.87	Q35)	42
Q11)	12	Q36)	280
Q12)	3	Q37)	j - k
Q13)	5	Q38)	+
Q14)	18	Q39)	The Simpsons
Q15)	0.05	Q40)	8
Q16)	140m ²	Q41)	3:2
Q17)	1km	Q42)	£6.30
Q18)	octagon	Q43)	8
Q19)	1	Q44)	13
Q20)	55°	Q45)	12
Q21)	£96	Q46)	1/4
Q22)	2.1	Q47)	pentagon
Q23)	45	Q48)	45
Q24)	7	Q49)	Rosco = E5, Treasure = C3
Q25)	B	Q50)	7:00